

Docket No. AUS9-2000-0277-US1

ABSTRACT OF THE DISCLOSURE

**A METHOD AND APPARATUS TO REPEATEDLY DEBUG A PROGRAM FROM
A KNOWN STARTING POINT**

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A method and apparatus allow a programmer to repeatedly debug a program from the same starting point. The entire process state of the process can be saved at any time in the course of a debugging session to a disk
10 file, called the checkpoint file. Now registers or memory may be modified, if necessary, and the program may be brought back to the same starting point where the state had been previously saved by resuming from the checkpoint file. The method and apparatus allow the
15 state of all the programs to be saved multiple times and resumed from any one of those states. The debugging of a problem is considerably facilitated by not having to start from scratch to debug the problem as the last saved state of the program can be used to start the debugging.

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